



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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TOTUSKEY AND RICHARDSON CREEKS Growing Area # 025 Richmond County

Date: September 16, 2005
Survey Period: June 24 – August 29, 2005
Total Number of Properties Surveyed: 670
Surveyed By: D.R. Beuchelt

SECTION A: GENERAL

This survey area extends from Reference Point 25 beginning at Suggetts Point on Route 614, and covers the shoreline and first and second order streams of the Totuskey and Richardson Creeks (within a designated boundary line drawn by the Division of Shellfish Sanitation) ending up on Route 630 at Accaceek Point, Reference Point 25A.

The topography of the area surveyed begins with an elevation of 5' at the shoreline of the Rappahannock River and reaches a maximum of 135' inland. The population is moderate and growing with new communities under development. The economy is based around managerial, professional, sales, and office services. These account for 52.2% of the employment. The town of Warsaw is considered a major commercial hub for the Northern Neck of Virginia. The town has approximately 100 retail businesses.

Meteorological data indicated that 1.26" of rain fell June 24 – 30, 4.46" July 1 – 31, and 3.09" August 1 – 29 for a total rainfall of 8.81" during the survey period.

Found during this survey were three locations classified as Sewage treatment facilities (two of which are located outside of the boundary line with one discharging into the watershed), three on site deficiencies, twelve properties marked as potential deficiencies, six industrial sites (one which is located outside of the boundary line but discharges into the watershed), three solid waste sites, three boating activity sites, and twelve sites marked for animal pollution.

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Shellfish closures can be reviewed online by accessing the Division of Shellfish Sanitation site via the Virginia Department of Health website at <http://www.vdh.virginia.gov/OEHS/shellfish/>.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "**DIRECT**" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

35. **DIRECT** – Warsaw Lagoons Wastewater Treatment Plant, c/o John Slusser, Town Manager, PO Box 730, Warsaw 22572. Population served 1400 – 1500. VDPES Permit No. VA0026891. Design flow is 0.3 MGD. Treatment facility consists of two screening/comminution units, three lined and aerated pond/lagoon units, two sedimentation units, two chlorinators, two sulfonators, flow measurement, one post aeration unit, two sludge pumps, one aerobic digestion unit, *four drying beds (nonfunctional at time of last DEQ inspection), and a rip rap shore based effluent outfall that discharges final effluent into a Tributary of Totuskey Creek.

* The aerobic digester receives sludge until it becomes full, then the sludge is pumped and hauled to the Essex Concrete septage lagoons in Millers tavern. A copy of the most recent OWP/DEQ inspection report is on file with this report in the Division of Shellfish Sanitation Richmond office.

41. **DIRECT** – Haynesville Correctional Center Wastewater Treatment Plant and Camp #17 WWTP, c/o Wilson Davis, WWTP Supervisor, PO Box 129, Haynesville 22472. Population served approx.: 1100 - 1125 inmates and 350 staff. VDPES Permit No. VA0023469. Design flow is 0.15 MGD. Haynesville treatment facility consists of flow measurement, four screening/comminution units, two grit removal units, two sequencing batch reactors, four sludge pumps, one aerobic digestion unit, *20 drying bed units, two tertiary filtration units, two ultraviolet disinfection lamp/assemblies, a plant drain lift station and final effluent to Unit #17 WWTP effluent discharge channel.

* Sludge is removed from the drying beds and stored in a lined gondola (on concrete pad) prior to disposal at a BFI landfill. Camp #17 Treatment facility consists of two screening /comminution units, an influent pump station, one flow equalization cell, one activated sludge aeration unit, one sedimentation unit, two sludge pumps, one aerobic digestion unit, * two drying beds, one tertiary filtration unit, one chlorine contact tank, dechlorination by bisulfite tablet feed box, one post aeration unit, flow measurement, one post aeration unit (final effluent for Haynesville Correctional Unit and Camp#17), and a effluent /plant shore based outfall for both treatment plants that discharges into a tributary of Garlands Mill Pond.

* Sludge is disposed of at landfill. A copy of the most recent OWP/DEQ inspection report is on file with this report in the Division of Shellfish Sanitation Richmond office.

It is important to note that the Haynesville Correctional Center WWTP and the Camp #17 WWTP are two different facilities, each with their own treatment process; however, as stated above, they share the same discharge outfall unit. The Camp #17 WWTP is proposed to close in 4 years (approx. 2009). All sewage from that facility will then be directed to the Haynesville Correctional Center WWTP.

42. Thomas W. Beasley, Septic Contractor, 5964 Historyland Highway, Farnham 22460. Business-septage disposal site. Physical address of the site is on a gravel road off of Moores Mill Rd. (Rt. 677) which is located off of Canal Rd. (Rt. 607). No Contact. Treatment facility consists of septage lagoons.

ON-SITE DEFICIENCIES

2. NO FACILITIES, Location: 1864 Beaverdam Road, Warsaw 22572. Dwelling – 2 story white siding with light brown trim. No Contact. Appears to be vacant and abandoned. Owner unknown. Information turned over to local health.

5. NO FACILITIES, Location: Forest Road, Warsaw 22572. Dwelling – A series of 5 old camping travel trailers. No Contact. Sanitary Notice issued 6/30/05 to field # 74.
17. CONTRIBUTES POLLUTION – Location: 362 Boswell Road, Warsaw 22572. Dwelling – Gold and white mobile home. 5 persons. Lid on septic tank is broken with a portion of it missing. Sanitary Notice issued 8/22/05 to field # 310. Tax Map #31-162A.

POTENTIAL POLLUTION

3. Location: 1028 Beaverdam Road, Warsaw 22572. Dwelling – 1 story white siding with brown shutters. No Contact. Junk and debris are scattered over premises.
4. Location: 257 Oscar drive, Warsaw 22572. Dwelling – 1 story white vinyl siding with brown shutters and gray shingles. No Contact. Grass is dark over drainfield lines. No evidence of effluent or odor.
7. Location: 286 Sharps Road, Warsaw 22572. Dwelling – blue (multi-colored) mobile home with blue shutters. No Contact. Grass is dark over drainfield lines. No evidence of effluent or odor.
12. Location: 167 The Hook Road, Warsaw 22572. Dwelling – brick rancher with addition. No Contact. Grass is dark over drainfield lines. No evidence of effluent or odor.
18. Location: 82 Boswell Road, Warsaw 22572. Dwelling – 1 story yellow siding with white trim and light gray shingles. No Contact. Grass is tall, dark and thick over septic tank area. No evidence of effluent or odor.
23. Location: Indianfield Road, Warsaw 22572. No dwelling. No contact. Trash and debris is dumped back into the woods as a private dumping ground. Owner unknown. Information is forwarded to the local health department.
26. Location: 52 Lyell Drive, Warsaw 22572. Dwelling – 1 ½ story white cinder block with metal roof and black shutters. No Contact. Grass is tall and dark over drainfield lines. No evidence of effluent or odor.
27. Location: 187 Three Way Road, Warsaw 22572. Dwelling – 1 ½ story beige siding with gray shingles and green shutters. No Contact. Grass over drainfield is dark. No evidence of effluent or odor.
28. Location: 47 & 49 Cole Hill Lane, Warsaw 22572. Dwelling – Duplex with gray siding. No Contact. Grass is dark over drainfield lines. No evidence of effluent or odor.
32. Location: 12367 Historyland Highway, Warsaw 22572. Dwelling – 1 story white with light green shingles. No Contact. Old vehicles and junk is scattered over premises.
33. Location: 12593 Historyland Highway, Warsaw 22572. Dwelling - 1 ½ story white with light gray shingles. 2 persons. Junk and other debris is scattered on property.
36. Location: 1689 Wellfords Wharf Road, Warsaw 22572. Dwelling 1 ½ story yellow siding. 4 persons. Grass is tall over drainfield. No evidence of effluent or odor.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

14. Location: 11549 Historyland Highway, Warsaw 22572. Northern Neck Oil Co., c/o Carroll Pemberton, PO Box 97, Warsaw 22572. Business: fuel distributor and station. 8 employees. On-site were 1 x 20000 gallon fuel oil tank, 1 x 20000 gallon regular gasoline tank, 1 x 12000 gallon Kerosene tank, 1 x 7500 gallon diesel fuel tank, 1 x 6300 gallon premium gasoline tank, and 1 x 4000 gallon clear kerosene tank. The 20000 gallon tanks were surrounded by separate berms. The remaining tanks were enclosed within one berm.
20. Location: 10910 Richmond Road, Haynesville 22472. Royster-Clark Inc., c/o Mark Cockrell. Business – fertilizer supplier. 6 – 8 employees. On-site and surrounded by a dike were 1 x 125000 gallon and 2 x 30000 gallon UAN 32 tanks, 1 x 30000 gallon 11-37-0 tank, 1 x 30000 gallon and 1 x 17000 phosphoric acid tanks, 2 x 25000 gallon aqua ammonia tanks, 3 x 12000 gallon and 1 x 6000 gallon T Gold tanks, 2 x 12000 liquid starter fertilizer tanks, 1 x 3000 gallon zinc tank, 1 x 2500 liquid clay tank, and Bulk pesticides - 1 x 2400 Chemical Bicep II Mag. F.C., 1 x 2400 Chemical Princep 4L, 1 x 2400 Chemical Lumax, 1 x 2400 Chemical Roundup, 1 x 2400 Chemical Gramoxone Max. Runoff from the loading pad is pumped to a holding tank and reused. Also on-site is 1 x 500 gallon gasoline tank and 1 x 500 diesel fuel tank, with out berm.
25. Location: 135 Recycling Road, Warsaw 22572. Richmond County Solid Waste Recycling Convenience Center, c/o Steve Samuels, site manager. Public-waste collection and recycling center. 1 employee. Collects waste oil for recycling. On-site was 1 x 500 gallon tank in berm.
30. Location: 6658 Richmond, Warsaw 22572. Frederick Northup, Inc., c/o Stan Terhune, Business – fuel distributor and BP station. 10 employees. On-site were 2 x 25000 gallon #2 fuel oil tanks, 2 x 15000 gallon #2 fuel oil tanks, 2 x 11500 gallon gasoline tanks, 1 x 11500 gallon diesel fuel tank, 1 x 11500 #2 fuel oil tank, and 2 x 11000 gallon kerosene tanks. Tanks are surrounded by an earthen berm.
34. Location: 13027 Historyland Highway, Warsaw 22572. Richmond County Intermediate School, c/o Mr. Ogle Forrest. On-site were 1 x 1000 gallon and 1 x 250 gallon fuel oil tanks without berm.
37. Location: 171 Fox Hunters Hill Road, Warsaw 22572. Dwelling – 2 story white asbestos shingle siding with dark green shutters. 2 persons. On-site were 1 x 1000 gallon diesel fuel and 3 x 300 gallon gasoline tanks without berm.
40. DIRECT - Location: 15939 Historyland Highway, Warsaw 22572. Wood Preservers, Inc., c/o Mr. William Wright. Business – wood preservation. VPDES Permit No. VA0083127. Process utilizes chromated copper arsenate, copper axole, and Dricon in the preservation process. This facility no longer uses creosote to preserve wood. This facility discharges no process wastewater, but is approved by DEQ to install a test stormwater treatment system to allow treatment of stormwater before it leaves the property. The stormwater will be discharged to tributaries of Totuskey Creek and Clark's Run.

SOLID WASTE DUMPSITES

16. Location: 10508 Historyland Highway, Warsaw 22572. Warsaw Auto Parts plus D & L Automotive, c/o David Weedon. 1 employee. Business – used auto parts. On-site were approx. 250 junk vehicles and other auto parts.
21. Location: 167 Martinsville Lane, Warsaw 22572. c/o Ralph Simmons. 4 persons. Business – old junk yard presently closing down. On-site were scrap parts covering 1 -2 acres.

25. Location: 135 Recycling Road, Warsaw 22572. Richmond County Solid Waste Recycling Convenience Center, c/o Steve Samuels, Attendant. 1 person. Business – County Waste Facility. On-site were 5 dumpsters.

SECTION D: BOATING ACTIVITY

MARINAS

- None -

OTHER PLACES WHERE BOATS ARE MOORED

22. Location: Route 620 on Settlers Landing Road, Warsaw 22572. c/o Gene Huffman. Community pier. No contact. 8 seasonal slips/moorings available. On-site was 1 pleasure boat < 26'. Available are restroom facilities, dump station and solid waste containers. Facility No. 920.

UNDER SURVEILLANCE

15. Location: 374 Creek View Lane, Warsaw 22572. c/o Daniel Bishop. Private dock. This property is currently for sale. On-site was 1 jon boat on shore. Facility No. 916.
31. Location: Woodyard Road, Warsaw 22572. Richmond County Public Landing. (off of Route 705). c/o Richmond County/VDOT/VGIF. Available is an in-out ramp. Facility No. 1162.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

1. **DIRECT** -Location: 122 Suggetts Point Road, Warsaw 22572. Dwelling – 2 story white siding with black shutters. 2 persons. Present at time of survey were 200 -250 cows. Manure is left on ground surface. Pasture is \leq 250' from Richardson Creek.
6. Location: 678 Sharps Road, Warsaw 22572. Dwelling – 2 story white siding with blue shutters and metal roof. 3 persons. Present at time of survey were 20 cows, 3 dogs and 2 sheep. Manure is left on ground surface.
8. Location: 7957 Historyland Highway, Warsaw 22572. Dwelling – tan mobile home. 1 person. Present at time of survey were 6 cows, 3 horses, and 1 llama. Manure is left on ground surface.
9. **DIRECT** - Location: 8305 Historyland Highway, Warsaw 22572. Dwelling – 2 ½ story white siding with blue shutters. 1 person. Present at time of survey were 5 cows and 1 calf. Pasture is fenced and <50' from a first order stream at 100' elevation of Totuskey Creek. Manure is left on ground surface.
10. **DIRECT** – Location: 3946 Folly Neck Road, Warsaw 22572. Dwelling – 1 story white siding. No Contact. Present at time of survey were two goats, roaming free outside of pasture with access to Totuskey Creek. Manure is left on ground surface in pasture.
11. **DIRECT** – Location: 787 Cedar Point Road, Warsaw 22572. Dwelling – white with gray trim mobile home. No Contact. Present at time of survey were five dogs in pen and unknown number of dogs in house. Pen was < 25' from the marsh of Totuskey Creek at an elevation of 5 – 10'. Manure disposal unknown.

13. Location: 10605 Historyland Highway, Warsaw 22572. Dwelling – beige with brown trim mobile trim. 5 persons. Present at time of survey were 25 goats, 5 – 10 chickens, 8 cows, and 2 dogs. Manure is left on ground surface.
19. Location: 10982 Richmond Road, Warsaw 22572. Dwelling – Brick rancher. No Contact. Present at time of survey were 5 horses, 5 miniature horses, 2 donkeys and unknown number of cows. Manure is left on ground surface.
29. Location: 674 Cole Hill Lane, Warsaw 22572. Dwelling - 2 story white shingle siding with green and white awnings. No Contact. Present at time of survey were 1 goat, 1 goose, 10 – 12 guinea chickens, 1 peacock, and unknown animal in back fenced area. Manure disposal is unknown.
37. Location: 171 Fox Hunters Hill Road, Warsaw 22572. Dwelling – 2 story white asbestos shingle siding with dark green shutters. 2 persons. Present at time of survey were 10 cows. Manure is left on ground surface.
38. Location: Adjacent to 459 Fox Hunters Hill Road, Warsaw 22572. Cobham Park Hunt Club, c/o Aubrey Sanders. Dwelling – cream colored mobile office. No Contact. Present at time of survey were 20 – 30 hunting dogs. Manure disposal is unknown.
39. Location: 1154 Fox Hunters Hill Road, Warsaw 22572. Dwelling – 2 story white siding with green metal roof. No Contact. Present at time of survey were 9 cows. Manure disposal is unknown.

SUMMARY

Area # 025
TOTUSKEY AND RICHARDSON CREEKS
September 16, 2005

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

- 2 – DIRECT - # 35, 41
- 1 – INDIRECT - # 42
- 3 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES

Correction of deficiencies in this section is the responsibility of the local health department.

- 0 – CONTRIBUTES POLLUTION, DIRECT – None
- 1 – CONTRIBUTES POLLUTION, INDIRECT - # 17
- 0 – CP - (Kitchen or Laundry Wastes), DIRECT – None
- 0 – CP - (Kitchen or Laundry Wastes), INDIRECT – None
- 0 – NO FACILITIES, DIRECT – None
- 2 – NO FACILITIES, INDIRECT - # 2, 5
- 3 – B.2. TOTAL

3. POTENTIAL POLLUTION

Periodic surveillance of these properties will be maintained to determine any status change.

- 12 – POTENTIAL POLLUTION -# 3, 4, 7, 12, 18, 23, 26, 27, 28, 32, 33, 36

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 1 – DIRECT - # 40
- 6 – INDIRECT - # 14, 20, 25, 30, 34, 37
- 7 – C.1. TOTAL

2. SOLID WASTE SITES

- 0 – DIRECT – None
- 3 – INDIRECT - # 16, 21, 25
- 3 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

- 0 – MARINAS
- 1 – OTHER PLACES WHERE BOATS ARE MOORED- # 22
- 2 – UNDER SURVEILLANCE - # 15, 31
- 3 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 4 – DIRECT - # 1, 9, 10, 11
- 8 – INDIRECT - # 6, 8, 13, 19, 29, 37, 38, 39
- 12 – E. TOTAL

